AMENDMENTS TO THE CLAIMS

1.   (Currently Amended)   A lithographic printing original plate having a photosensitive layer formed on a support,

wherein the photosensitive layer comprises the heat cured product of a photosensitive resin composition,

wherein the photosensitive layer has a phase-separation structure in a sea-island form,

wherein the photosensitive resin composition comprises a hydrophilic resin having cross-linking groups that can react with a cross-linking agent, a hydrophilic resin having no functional groups that can react with a cross-linking agent and which can dissolve out in water, a melamine resin, organic fine particles and a photothermal conversion material,

wherein the hydrophilic resin having cross-linking groups that can react with a cross-linking agent is obtained by polymerizing a monomer containing a cross-linking monomer having a hydroxyl group,

wherein an island portion in the sea-island form comprises the hydrophilic resin having no functional group and has a mean diameter value of from 0.5 μm to 10 μm, and

wherein the hydrophilic resin having no functional groups that can react with a cross-linking agent is obtained by polymerizing at least one monomer containing a N-alkyl or N-alkylene substituted (meth)acrylamide compound selected from the group consisting of monomers represented by formulae (1) and (2),

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formula 1

$$CH_2=\underset{\underset{R_1}{|}}{C}-CON\underset{R_3}{\overset{R_2}{<}}$$

(1)
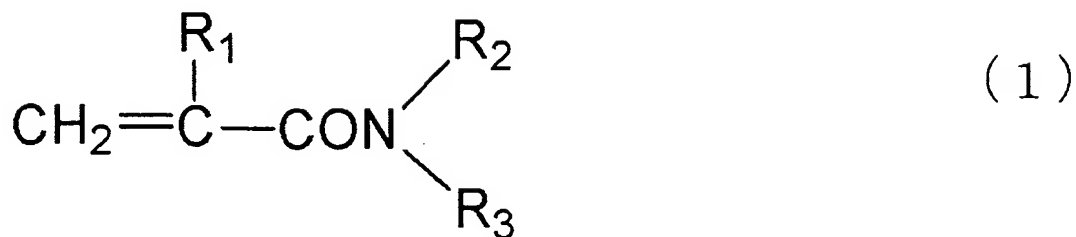
wherein R_1 represents a hydrogen atom or a methyl group, and R_2 and R_3 each

individually represents a hydrogen atom or a lower alkyl or alkoxy group,

formula 2

$$CH_2=\underset{\underset{R_1}{|}}{C}-CON\bigcirc A$$

(2)
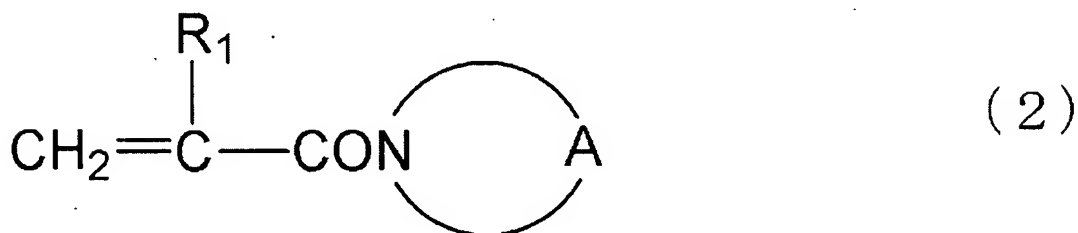
wherein R_1 represents a hydrogen atom or a methyl group, and A represents $(CH_2)_n$, and

wherein n represents an integer of 4 to 6 or $(CH_2)_2O(CH_2)_2$.

2.   (Currently Amended) A lithographic printing original plate according to claim 1,

wherein the photosensitive layer has a phase separation structure in a sea-island form, there are

at least five island portions having a diameter of 0.5 μm or more to 10 μm or less in an area of

2,500 μm² on any surface of the photosensitive layer, wherein the diameter means a short axis

when the island portion has an elliptic shape with a long axis and a short axis, and at least a part

of the island portions produces recessed parts on the surface of the lithographic printing original

plate after printing when the plate is subjected to printing using a fountain solution.

3.   (Original) A lithographic printing original plate according to claim 2, wherein the

mean value of the short axes of the island portions is 0.5 µm or more to 10 µm or less.

4.   (Cancelled)

5.   (Previously Presented) A lithographic printing original plate according to claim

1, wherein the hydrophilic resin having no functional groups that can react with a cross-linking

agent is obtained by further reacting one or more kinds of compounds selected from compounds

having following general formula (3) or salts thereof:

[formula 3]

$$CH_2 = C - R \\ \left(CH_2 \right)_n - SO_3H \qquad (3)$$
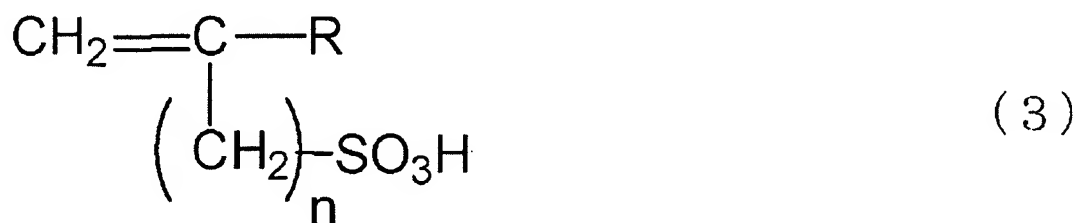
wherein R represents a hydrogen atom or a lower alkyl group; n represents an integer of 1 to 8.

6.   (Cancelled)

7.   (Cancelled)

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8.　　(Original)　A lithographic printing plate that is obtained by irradiation with light

or thermal energy to the lithographic printing original plate according to claim 1.

9.　　(Previously Presented)　A photosensitive resin composition comprising:

a hydrophilic resin for cross-linking, having cross-linking groups that can react with a

cross-linking agent, obtained by polymerizing a monomer containing a cross-linking monomer

having a hydroxyl group,

a hydrophilic resin for non-cross-linking, having no functional groups that can react with

a cross-linking agent, obtained by polymerizing at least one monomer containing a N-alkyl or N-

alkylene substituted (meth)acrylamide compound selected from the group consisting of

monomers represented by formulae (1) and (2),

formula 1
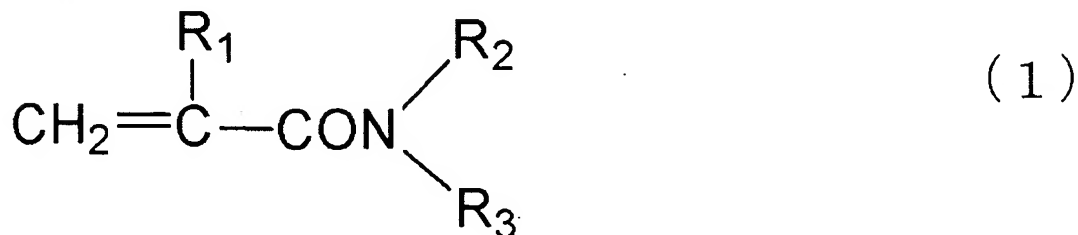
$$CH_2{=}\overset{\overset{\textstyle R_1}{|}}{C}{-}CON\overset{\nearrow R_2}{\searrow_{R_3}}\qquad(1)$$

wherein R_1 represents a hydrogen atom or a methyl group, and R_2 and R_3 each

individually represents a hydrogen atom or a lower alkyl or alkoxy group,

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formula 2

$$CH_2\!=\!\underset{\underset{R_1}{|}}{C}\!-\!CON\!\!\!\bigcirc\!\!\!A \qquad (2)$$
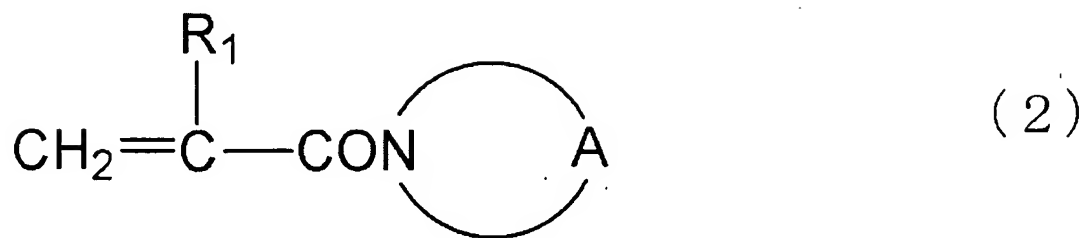
wherein R_1 represents a hydrogen atom or a methyl group, A represents $(CH_2)_n$,

and n represents an integer of 4 to 6 or $(CH_2)_2O(CH_2)_2$,

a melamine resin,

organic fine particles, and

a photothermal conversion material.

10.   (Cancelled)

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